

**AMENDMENTS TO THE CLAIMS**

*This listing will replace all prior versions, and listings, of claims in the application:*

1. (Cancelled)
2. (Currently amended) The single-lip drill according to claim ~~[[1]]~~ 27, wherein the rake angle ( $\gamma$ ) is between 10 and 30°.
3. (Cancelled)
4. (Previously presented) The single-lip drill according to claim 2, wherein the chip break section is positioned at a distance from the cutting edge suitable for setting a desired chip size.
5. (Previously presented) The single-lip drill according to claim 4, wherein the distance is between 0.2 and 1.5 mm.
6. (Currently amended) The single-lip drill according to claim ~~[[1]]~~ 27, wherein the chip former slot is adjacent to the cutting edge.
7. (Currently amended) The single-lip drill according to claim ~~[[1]]~~ 27, wherein a functional coating is provided on at least one functional surface of the single-lip drill.
8. (Previously presented) The single-lip drill according to claim 7, wherein at least one of the chip former and at least one clearance is provided with the functional coating.
9. (Previously presented) The single-lip drill according to claim 7, wherein the functional coating is provided on all the functional surfaces participating in the cutting process.

10. (Previously presented) The single-lip drill according to claim 7, wherein the functional coating is at least partly made from hard material.

11. (Previously presented) The single-lip drill according to claim 25, wherein a nitride or carbide is provided as the metallic hard material.

12. (Previously presented) The single-lip drill according to claim 25, wherein titanium aluminium nitride is provided as the metallic hard material.

13. (Previously presented) The single-lip drill according to claim 7, wherein the functional coating has several layers.

14. (Previously presented) The single-lip drill according to claim 13, wherein at least one hard material layer and at least one soft material layer adjacent to the hard material layer is provided, the hard material layer forming an outer layer.

15-20. (Cancelled)

21. (Previously presented) The single-lip drill according to claim 2, wherein the rake angle ( $\gamma$ ) is between 15 and 25°.

22. (Previously presented) The single-lip drill according to claim 5, wherein the distance is between 0.3 and 0.6 mm.

23. (Cancelled)

24. (Previously presented) The single-lip drill according to claim 7, wherein the functional coating is configured to increase wear resistance.

25. (Previously presented) The single-lip drill according to claim 10, wherein the hard material is a metallic hard material.

26. (Cancelled)

27. (Previously presented) A single-lip drill comprising:  
a drill head;  
a bit integrally formed on the drill head and defining a cutting wedge; and  
at least one cutting edge provided on the cutting wedge for machining by cutting of a workpiece,

wherein the cutting edge is associated at least one chip former for shaping the chips cut off by the cutting edge;

wherein the chip former comprises a slot having a substantially U-shaped cross-section and has a positive rake angle ( $\gamma$ ) between the tool face and an imaginary line perpendicular to a machining face of the workpiece to be cut;

wherein the chip former has a chip guide face extending from the cutting edge towards a bottom of the chip former and a chip break section following the chip guide face, commencing at a distance from the cutting edge, and extending to a boundary surface with respect to a corrugation for removing a coolant-chip mixture; and

wherein the chip guide face comprises a sloping surface with a constant tangent angle, which sloping surface is followed by a curved chip breaking section.